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PROBLEM TO BE SOLVED: To reduce the overheads of frames by detecting that the data amount of a terminal side transmission buffer is for being maintained fixed after congestion information is sent out to a channel processing part and forcibly stopping data transmission from a corresponding transmission buffer to a terminal.

SOLUTION: The states of the terminal side transmission buffer 115 and a channel processing side reception buffer 113 are monitored in the congestion state detection part 117 of a channel housing part 10, and when a congestion state is detected, the congestion information is informed from a dedicated frame congestion information preparation part 110 or an individual line congestion informing information preparation part 111 to the channel processing part 20. At the time, an under-congestion-state transmission buffer length detection means 118 is driven by a congestion state detection part 117, and when transmission data from the channel processing part 20 are not stopped, the under-congestion-state transmission buffer length detection means 118 detects that the data buffer length of each terminal side transmission buffer 115 exceeds a threshold value set beforehand and a corresponding transmission data forced stoppage instruction means 119 is driven.

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